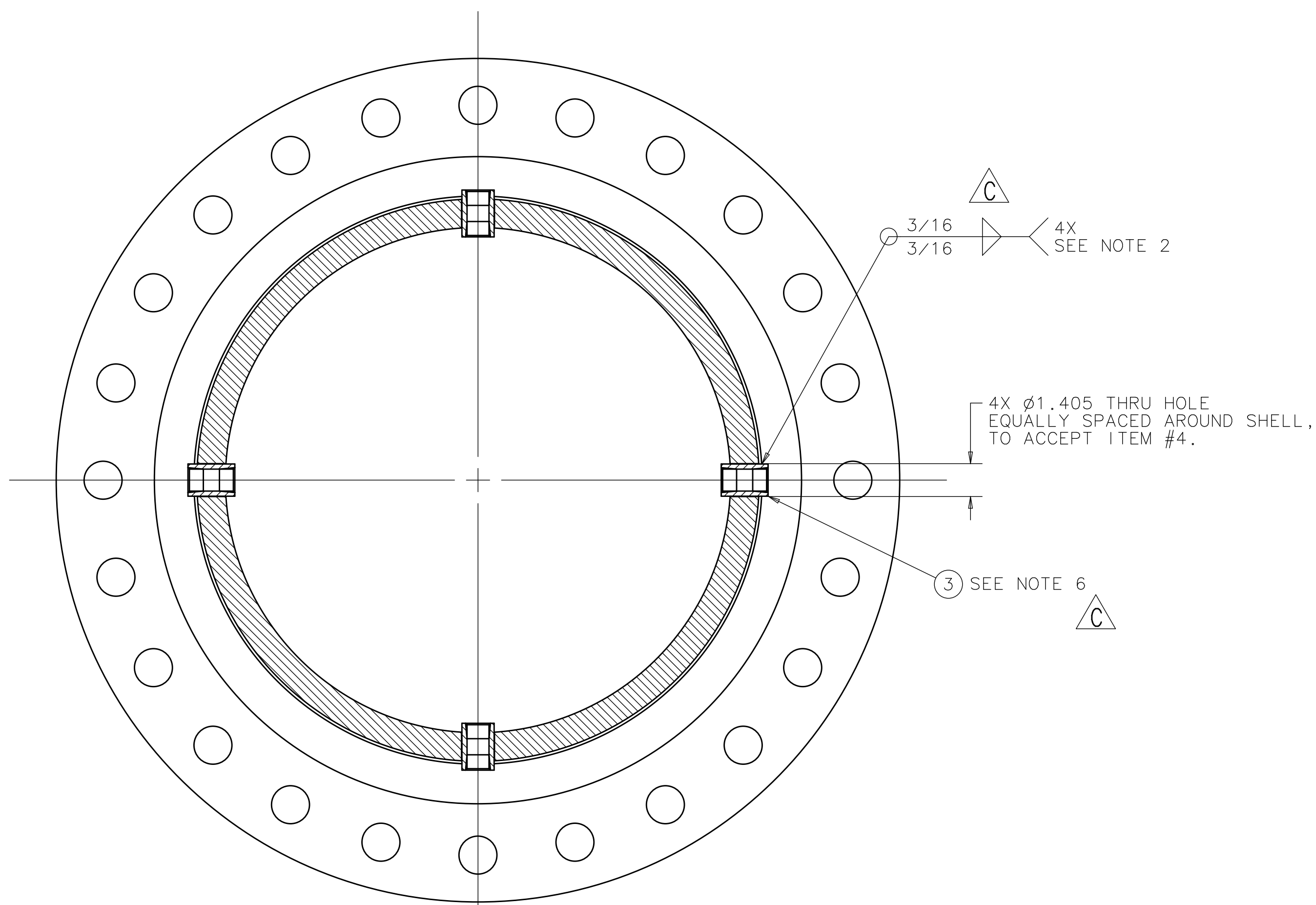
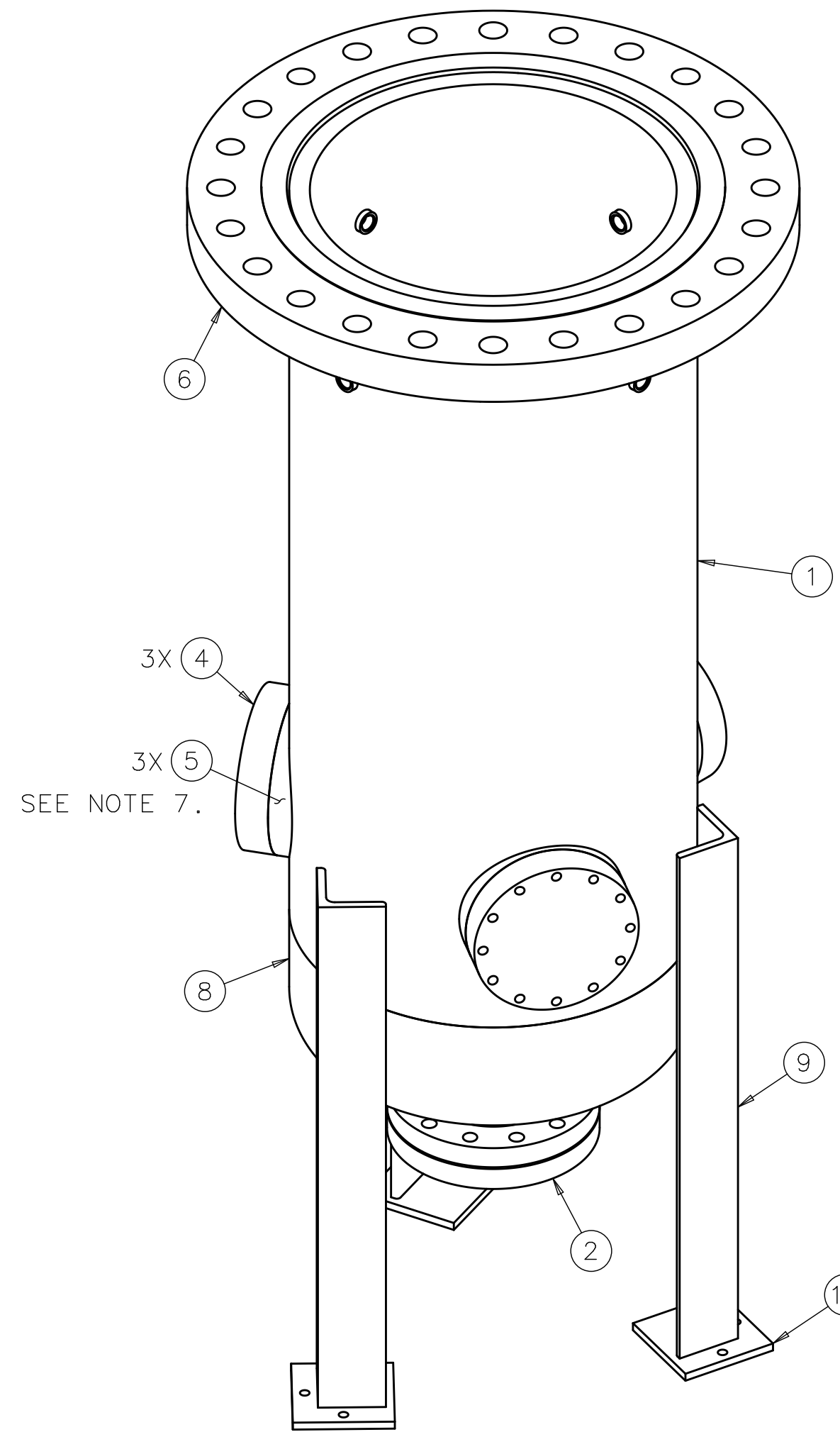
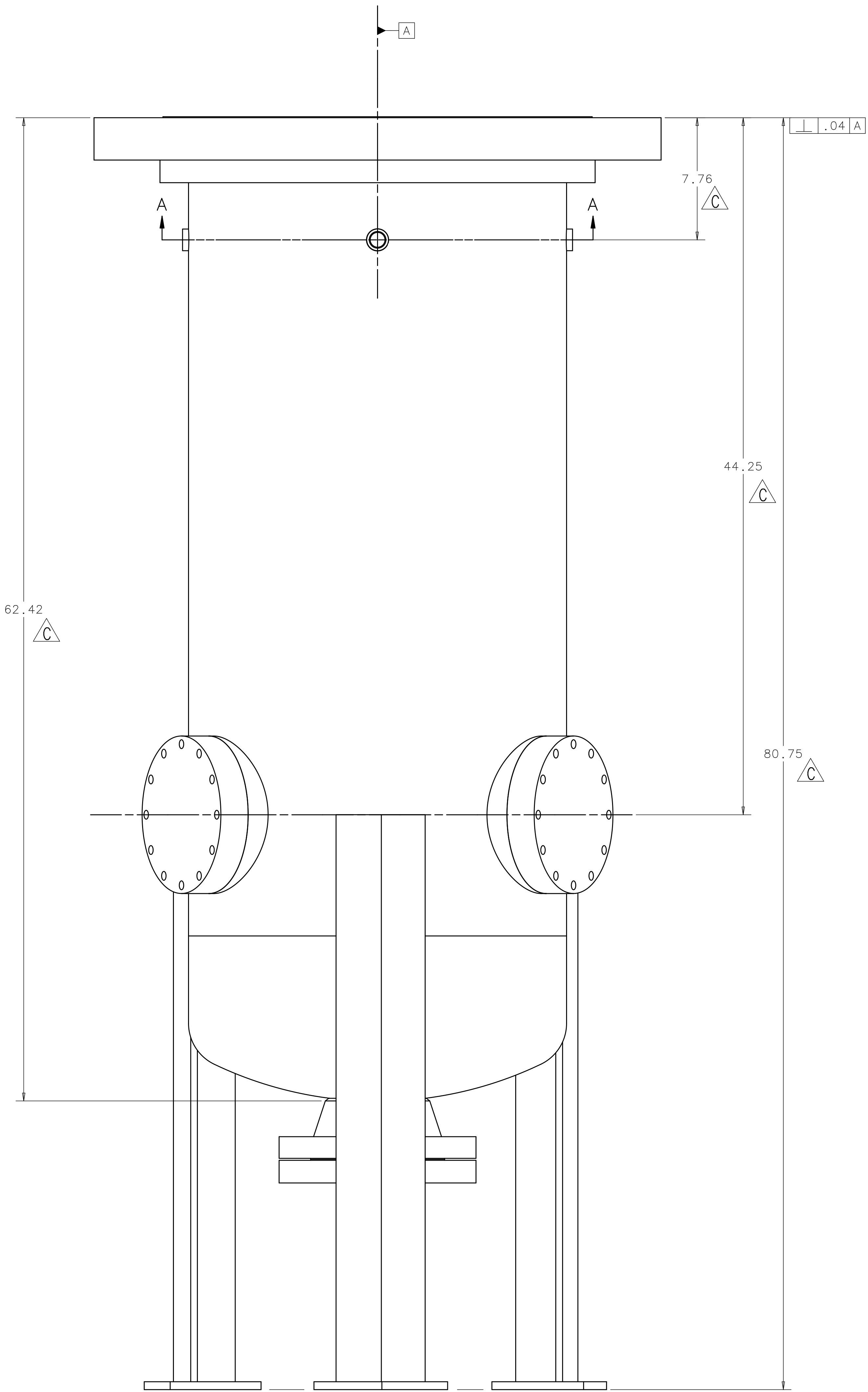


REV	DESCRIPTION	1	DATE
		DRAWN APPROVED	DATE
A	ADDED INTERNAL & EXTERNAL MAWP TO NOTE 4. ADDED NOTE 5	R. REINERT	08-AUG-2007
B	REVISED PER AS BUILT DIM'S. 44.5 WAS 44.8. 84.0 WAS 84.18. NOTE 4 CHANGED CODE STAMPED PRESSURE FROM 600 PSIG TO 450 PSIG ALONG W/EXPLANATION.	R. RUCINSKI	08-AUG-2007
		J. CATALANELLO	21-NOV-2007
		R. RUCINSKI	26-NOV-2007
C	REMOVED ITEM 2 & RENUMBERED. ADDED NOTES 6-7 & ITEMS 4-10. BEVEL WELD WAS FILLET. CHANGED HEIGHT OF VESSEL TO MATCH FABRICATION.	R. REINERT	03-MAR-2008
		J. RAUCH/RAR	05-MAR-2008



SECTION A-A

NOTES:

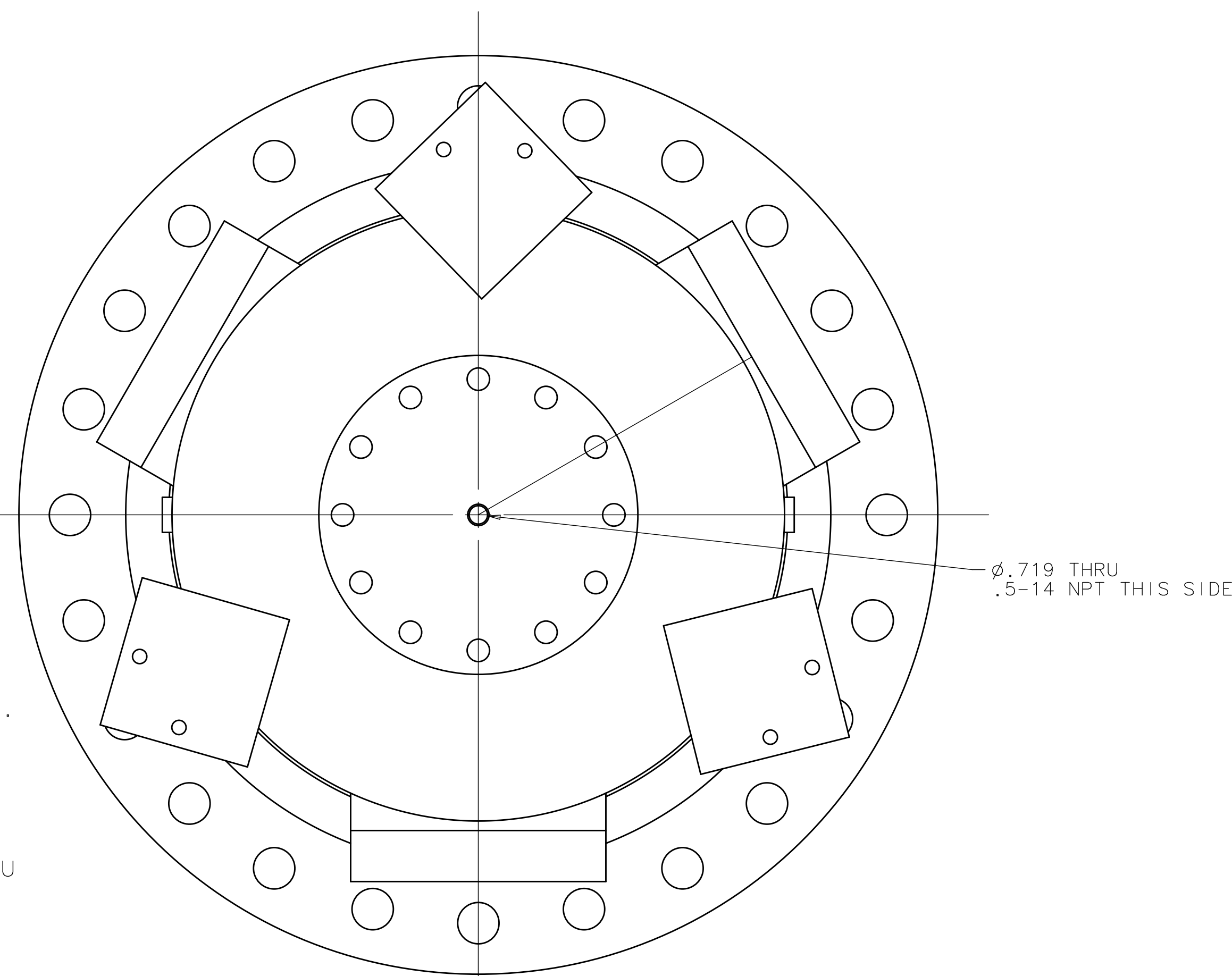
1. BOLTS FOR VESSEL NOT SHOWN ON THIS ASSEMBLY.
2. TYPE OF WELD TO BE SELECTED BY CONTRACTOR.
3. GRIND WELD AREAS TO A SMOOTH FINISH.

4. VESSEL ASME CODE STAMPED PRESSURE RATING AFTER RE-WORK: INTERNAL MAWP IS 450 PSIG AT 120°F. EXTERNAL MAWP IS 15 PSIG AT 120°F. VESSEL WAS DE-RATED FROM 600 PSIG DUE TO ITEM 2

5. LID, ITEM 2, TO BE ASME CODE STAMPED SEPERATELY. SEE MD-444754.

6. FOUR SIDE PORT 3/4" COUPLINGS:  
- RTD BULKHEAD FEEDTHRU  
- COOLING COIL IN  
- COOLING COIL OUT  
- EXPERIMENTER'S USE LED ILLUMINATION FEEDTHRU

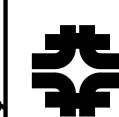
7. SIDE FLANGE MACHINE FLAT TO .005" AFTER WELDING IS COMPLETED.



EST. WEIGHT = 2382.72 LBS.

10	COML	1/2" X 6.0" X 6.0" PLATE; 304-SST	3
9	COML	1/2" X 4.0" X 4.0" X 36" LONG ANGLE; 304-SST	3
8	COML	24" IPS SCHEDULE 80 CAP 304-SST	1
7	COML	6" ASA 300LB WELD NECK FLANGE; 304-SST	1
6	COML	24" ASA 300LB SLIP-ON FLANGE; 304-SST	1
5	MC-435801	SIDE FLANGE; 304-SST	3
4	MC-435802	SIDE BLANK FLANGE; 304-SST	3
3	COML	COUPLING-NPT 3/4", 3000 PSI ALLOY STAINLESS PRODUCTS OR EQUIV.	4
2	COML	6" ASA 300 LB BLANK-OFF FLANGE DRILLED-TAP FOR 1/2" NPT CTR PORT	1
1	COML	VAL-FAB VESSEL 0608-308 LENGTHEN 20" AS SHOWN.	1

UNLESS OTHERWISE SPECIFIED	ORIGINATOR	R. RUCINSKI	18-JUL-2007
.XX	.XXX	DRAWN	R. REINERT
± .25	± .005	CHECKED	J. RAUCH
1. BREAK ALL SHARP EDGES 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ASME Y14.5M-1994 4. MAX. ALL WELD SURFACES	APPROVED	A. SONNENSCHEN	23-JUL-2007
5. DRAWING UNITS: U.S. INCH	USED ON		
	MATERIAL	SEE PARTS LIST ABOVE	



FERMI NATIONAL ACCELERATOR LABORATORY  
UNITED STATES DEPARTMENT OF ENERGY

MECHANICAL/DETECTORS  
COUPL BUBBLE CHAMBER  
COUPL PRESSURE VESSEL RE-WORK

SCALE 1:4 & AS NOTED	DRAWING NUMBER 9213.400-ME-444753	SHEET 1 OF 1	REV C
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